

ROLLING BEARING

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- European:

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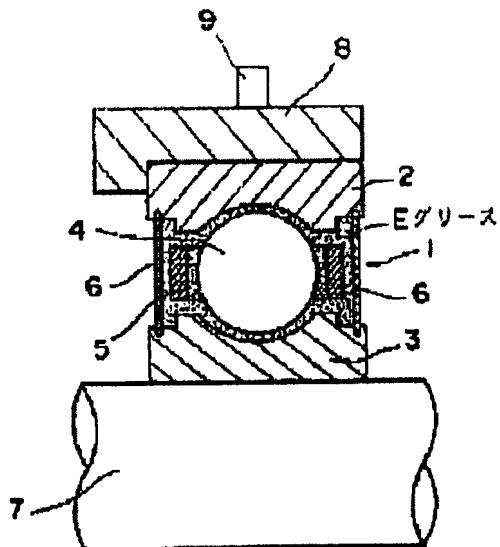
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Abstract of JP10030150

PROBLEM TO BE SOLVED: To superiorly prevent the occurrence of peeling in an early stage, caused by high vibration and high load, and to remarkably improve bearing life.

SOLUTION: A rolling bearing 1 is used by disposing plural rolling elements 4 between an outer ring (fixed ring) 2 and an inner ring (rotary ring) 3. In this case, the bearing steel at least of the outer ring 2 has an alloy composition containing, by weight ratio, 0.50-1.60% Cr and containing at least one kind among 0.02-0.10% Al, 0.005-0.02% N, 0.02-0.30% V, and 0.02-0.30% Nb and satisfying the relation of $0.08\% < Al + 4N + V + Nb < 0.8\%$.



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